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VIA COURIER

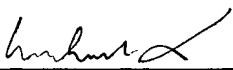
The Commissioner of Patents
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Washington, D.C. 20231
United States of America

Dear Sirs:

RE: U.S. Patent Application No. 09/647,946
Filing Date: December 6, 2001
Applicant: Robert C. Brunham
DNA IMMUNIZATION AGAINST CHLAMYDIA INFECTION

Please find enclosed an Information Disclosure Statement and copies of the references listed therein with respect to each of the references cited in the specification, in the International Search Report received on the corresponding International application and in prior U.S. application No. 09/647,946. The items indicated by asterisks will follow shortly.

Respectfully submitted,



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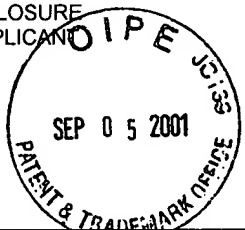
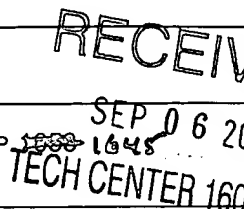
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* Will follow shortly

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 1038-1094 MIS:ac	SERIAL NO. 09/647,946
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Robert C. Brunham	
		FILING DATE December 6, 2000	

U.S. PATENT DOCUMENTS

*INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCL.	FILING DATE
	5,589,466	Dec/96	Felgner et al.			

FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	WO 98/02546	Jan-22-98	PCT	C12N	15/31	
	0 192 033 A2		EP			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	1. Donnelly et al, Ann. N.Y. Acad. Sci. 772 (1995) pages 40-46
	2. D. M. Pardoll and A. M. Beckerieg, Immunity 3, 165-169 (1995);
	3. W.M. McDonnell and F. K. Askari, N. Engl. J. Med. 334, 42-45 (1996)
	4. J. B. Ulmer et al., Science 259, 1745-1749 (1993);
	5. B. Wang et al., Proc. Natl. Acad. Sci. USA 90,4156 (1993);
	6. G. J. M. Cox, T.J. Zamb, L.A. Babiuk, J. Virol. 67, 5664-5667(1993);
	7. E. Raz et al., Proc. Natl.Acad. Sci. USA, 91,9519 -9523(1994);
	8. Z. Q. Xiang et al., Virology 199, 132-140 (1994);
	9. J.J.Donnelly et al., J. Infect. Dis. 713, 314-320 (1996);
	10. D. L. Montgomery et al., DNA. Cell. Biol. 12, 777-783 (1993);
	11. J.J. Donnelly et al., Nature Medicine 1, 583-587 (1995);
	12. G. H. Rhodes et al., Dev. Biol.Stand. 82, 229 (1994);
	13. H. L. Davis, M. L. Michel, R. G. Whalen, Human Molecular Genetics 2, 1847 -1851 (1993)
	14. J. B. Ulmer et al., Vaccine 12, 1541-1544 (1994)
	15. E. F. Fynan et al, Proc. Natl. Acad. Sci. USA 90, 11478-11482 (1993)
	16. E. Manickan, R. J. D. Rouse, Z. Yu, J. Immunol. 155, 259-265 (1995)
	17. M. Sedegah, R. Hedstorm, P. Hobart, S. L. Hoffman, Proc. Natl. Acad. Sci. USA 91, 9866-9870 (1994)

O I P E SEP 0 5 2001 PATENT & TRADEMARK OFFICE	18. M.A. Barry, W.C. Lai, S.A. Johnston, Nature 377, 632-635 (1995)
	19. D. Xu and F. Y. Liew, Vaccine 12, 1534 -1536 (1994)
	20. D. B. Lowrie, R.E. Tascon, M. J. Colston, Vaccine 12, 1537-1540 (1994).
	21. J. W. Moulder, Microbiol. Rev. 55, 143-190 (1991)
	22. J. Schachter, Curr. Top. Microbiol. Immunol, 138, 109 (1988)
	23. S. D. Hillis and J. N. Wasserheit, N. Engl. J. Med. 334, 1399-1401 (1996)
	24. R. C. Brunham and R. W. Peeling, Infectious Agents and Disease 3, 218-233 (1994)
	25. T. Grayston and S-P. Wang, Sex Trans. Dis. 5, 73-77 (1978)
	26. J.T. Grayston and S-P Wang, J. Infect. Dis. 132, 87-105 (1975)
	27. H. R. Taylor, J. Whittum-Hudson, J. Schachter, Invest. Ophthalmol. Vis. Sci. 29, 1847-1853 (1988)
	28. B.E. Batteiger, R. G. Rank, P.M. Bavoil, J. Gen. Microbiol. 139, 2965-2972 (1993)
	29. M. Campos et al., Invest. Ophthalmol. Vis. Sci. 36, 1477-1491 (1995)
	30. H. Su, M. Parne, H. D. Caldwell, Vaccine 13, 1023 -1032 (1995)
	31. T.- W. Tan, A.J. Herring, I. E. Anderson, Infect. Immun. 58, 3101-3108 (1990)
	32. M. Tuffrey, F. Alexander, W. Conlan, J. Gen. Microbiol. 138, 1707-1715 (1992)
	33. Y. - X. Zhang, J. G. Fox, Y. Ho, Mol. Biol. Evol. 10, 1327-1342 (1993)
	34. R. P. Morrison, K. Feilzer, D. B. Tumas, Infect. Immun. 63, 4661-4668 (1995)
	35. H. Su and H. D. Caldwell, Infect. Immun. 63, 3302-3308 (1995)
	36. J. U. Igietseme et al., Reg. Immunol. 5, 317 -324 (1993)
	37. J. U. Igietseme and R. G. Rank, Infect. Immun. 59, 1346-1351 (1991)
	38. D. M. Williams, J. Schachter, J.J. Coalson, J. Infect. Dis. 149, 630-639 (1984)
	39. G. Tipples and G. McClarty, J. Biol. Chem. 270, 7908-7914 (1995)
	40. X. Yang, K. T. HayGlass, R. C. Brunham, J. Immunol., 156, 4338-4344 (1996)
	41. H. Su and H. D. Caldwell, Infect. Immun. 63, 946-953 (1995)
	42. A. S. McWilliam, D. Nelson, J.A. Thomas, J. Exp. Med. 179, 1331-1336 (1994)
	43. M. R. Neutra, E. Pringault, J.-P. Kraehenbuhl, Annu. Rev. Immunol. 14, 275-300 (1996)
	44. J.M. Austyn, J. Exp. Med. 183, 1287-1292 (1996)
	45. R. Brunham et al., J. Clin. Invest. 94(1), 458-463 (1994)
	46. R. C. Brunham et al., J. Infect. Dis. 173 950-956 (1996)
	47. Tang et al., Nature 1992, 356: 152-154
*	48. Furth et al. Vaccine 1994, 12: 1503-1509.

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